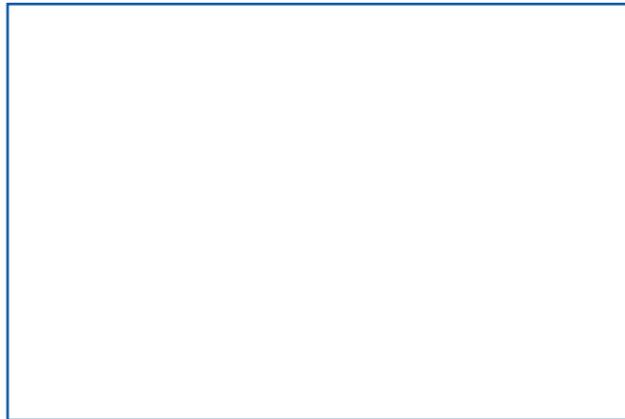
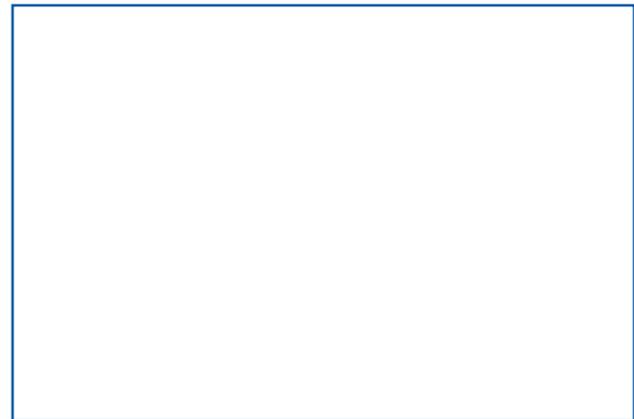




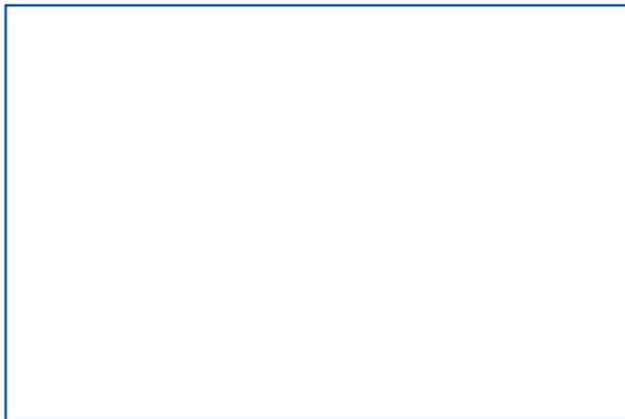
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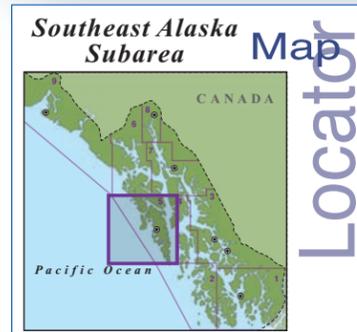
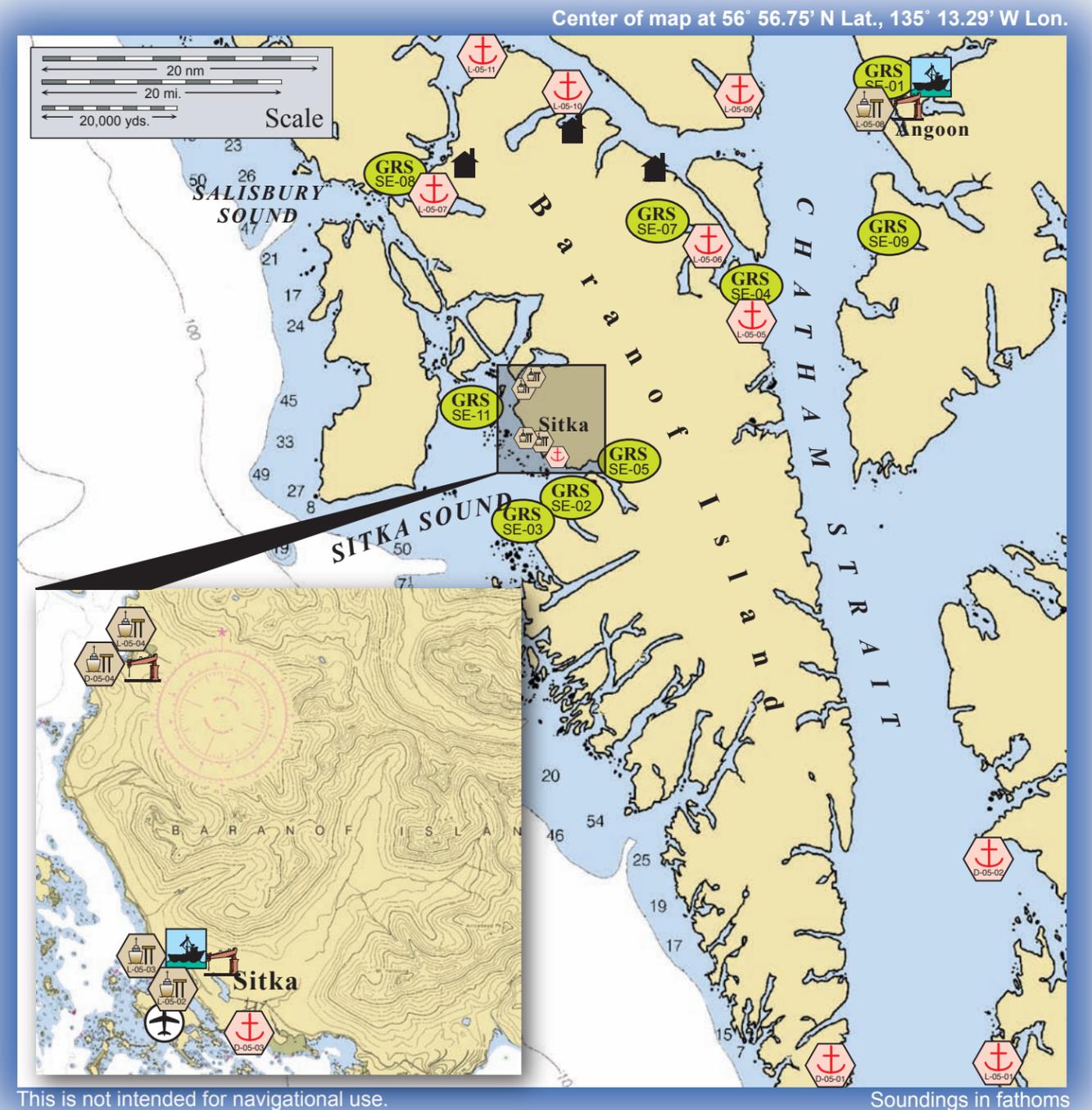


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Potential Places of Refuge for Southeast Alaska Subarea



	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Private Cabins
	Crane		Public Use Cabins
	Airport		Boat Harbor

Southeast PPOR Map 05

USGS 1:969,756K Quadrangle Map Reference - Dixon Entrance to Cape St Elias 16016_1

Site Considerations for PPOR Zone 05 of the Southeast Alaska Subarea

	Port Conclusion	Tebenkof Bay	Eastern Anchorage	Samson Tug Dock	Port Malmesbury	USCG Dock	Sitka City Dock	Sitka Ferry Dock	Kasnyku Bay	Kelp Bay	Fish Bay	Angoon Ferry Terminal	Florence Bay	Point Elizabeth	Deadman Reach
ID Number	D-05-01	D-05-02	D-05-03	D-05-04	L-05-01	L-05-02	L-05-03	L-05-04	L-05-05	L-05-06	L-05-07	L-05-08	L-05-09	L-05-10	L-05-11
Human Health & Safety															
Community-distance to (nm)	5 to Port Alexander	22 to Port Alexander	1.5 to Sitka	5 to Sitka	13 to Port Alexander	0 to Sitka	5 to Sitka	18 to Angoon	20 to Angoon	33 to Sitka	2 to Angoon	12 to Angoon	24 to Angoon	40 to Sitka	
Health Care Facilities	EMS services in Port Alexander		Full Hospital Services in Sitka		EMS services in Port Alexander	Full Hospital Services in Sitka		Clinic Services in Angoon		Full Hospital Services in Sitka	Clinic Services in Angoon			Full Hospital Services in Sitka	
Natural Resources Considerations															
Fish & Wildlife	Spawning salmon, seals, waterfowl concentrations	Spawning salmon, seals, waterfowl concentrations			Spawning salmon, seals, otters, waterfowl concentrations	Spawning salmon, herring, seals, otters, waterfowl and seabird concentrations			Spawning salmon, seals, otters, waterfowl, Steller sea lions in area	Spawning salmon, herring, seals, otters, waterfowl	Spawning salmon, seals, otters, waterfowl concentrations, humpback whale concentration				
Threatened & Endangered Species	Steller sea lions (threatened) haul-out at Cape Ommaney	None	Steller sea lions (threatened) in the area		None	Steller sea lions (threatened) in the area			Steller sea lion haulout in the area	None	Steller sea lions (threatened) in the area		None		
Sensitive Areas	No designated areas	Designated Wilderness Area	This locale is designated as a Special Management Area of the Sitka Coastal Mgt. Plan. Area designated sensitive by SE GRS Workgroup. MESA-62 St. Lazaria in Sitka Sound.		Not Designated	MESA-62 St. Lazaria Is. These locales are a Special Management Area of the Sitka Coastal Mgt. Plan. Designated high priority by SE GRS Workgroup.			Designated high priority by SE GRS Workgroup.	These locales are Special Management Areas of the Sitka Coastal Mgt. Plan.		Area designated high priority by SE GRS Workgroup.	These locales are a Special Management Area of the Sitka Coastal Mgt. Plan.		
Other Stakeholder Considerations															
Fisheries	Salmon, Groundfish, Crab		Salmon, Groundfish, Crab, Herring		Salmon, Groundfish, Crab	Salmon, Groundfish, Crab, Herring			Salmon, Crab, Groundfish	Salmon, Groundfish, Crab, Herring	Salmon, Crab, Groundfish				
Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.														
Mariculture	Little Port Walter Fish Hatchery nearby	None	Hatchery and Shellfish Mariculture present		None Present	Hatchery and Shellfish Mariculture present			Hatchery rearing pens nearby	None present					
Subsistence	High local subsistence use	Low level subsistence use	High local subsistence use		Low level subsistence use	High local subsistence use-salmon, herring, crab									
Tourism/Recreation	High recreational use throughout the area-sport fishing, wildlife viewing, excursions, camping, cruise ships, hunting														
Waterfront Public Facilities/Parks	Tongass National Forest-No waterfront facilities	Tebenkof Bay Wilderness Area-no waterfront facilities	Municipality owned small boat harbor and supporting services are present in Sitka. Tongass National Forest	Starrigavan State Parks, Old Sitka State Historical Park, Starrigavan Forest Service campground. Sitka Harbor nearby	Tongass National Forest-No waterfront facilities	Municipality owned small boat harbor and supporting services are present in Sitka. Tongass National Forest	Starrigavan State Parks, Old Sitka State Historical Park, Starrigavan Forest Service campground. Sitka Harbor nearby	Tongass National Forest-No waterfront facilities	Tongass National Forest-Small cabin in bay	State Ferry Terminal	Tongass National Forest-No waterfront facilities				
Waterfront Private Facilities	None present		Numerous marine services docks and piers		None	Numerous marine services docks and piers			None	Private Docks	None	Private facilities in Angoon	None		
Response and Salvage Resource Consideration															
Ability to Boom Vessel	Weather Dependent		Weather Dependent	Yes	Weather Dependent	Yes	Yes			Weather Dependent		Yes	Weather Dependent		
Geographic Response Strategies	None (2009)		SE05-02,03,05,11	SE05-11	None (2009)	SE05-02,03,05,11			SE05-04	SE05-07	None (2009)	SE05-01	None (2009)		
Closest Alternative PPOR for a same sized vessel	20 to D-05-02	20 to D-05-01	9 to D-05-04	9 to D-05-03	12 to D-05-01	.25 to L-05-03	.25 to L-05-02	7 to L-05-03	8.75 to L-05-06	8.75 to L-05-05	15 to L-05-11	12 to L-05-09	12 to L-05-08	8.5 to L-05-11	8.5 to L-05-10

Site ID Number and Vessel Size Classification
D = Deep Draft Vessel-lengths to 1,000 ft or greater, 20-40 ft of draft, greater than 10,000 GT
L = Light Draft Vessel-up to 450 feet in length, draft up to 20 ft

Stakeholders for PPOR Zone 05 of the Southeast Alaska Subarea	
Year-2009	Contact
Alaska Department of Fish & Game	Resource Manager
Alaska Department of Natural Resources	Resource Manager, State Historic Preservation Officer
Angoon Community Association (IRA)	President
Central Council Tlingit-Haida Tribal	President
City and Borough of Sitka	Mayor
City of Angoon	Mayor
City of Port Alexander	Mayor
Native Allotments	Dept of the Interior-Regional Environmental Officer
Sealaska Corporation	President
Sitka Tribe of Alaska (IRA)	Chairperson
Tongass National Forest	Forest Supervisor

Physical and Operational Characteristics for PPOR Map 05 of the Southeast Alaska Subarea

	Port Conclusion	Tebenkof Bay	Eastern Anchorage	Samson Tug Dock	Port Malmesbury	USCG Dock	Sitka City Dock	Sitka Ferry Dock	Kasnyku Bay	Kelp Bay	Fish Bay	Angoon Ferry Terminal	Florence Bay	Point Elizabeth	Deadman Reach
ID Number	D-05-01	D-05-02	D-05-03	D-05-04	L-05-01	L-05-02	L-05-03	L-05-04	L-05-05	L-05-06	L-05-07	L-05-08	L-05-09	L-05-10	L-05-11
Location (in the general area)	56°15.89'N 134°39.89'W	56°32.31'N 134°18.09'W	57°02.27'N 135°18.22'W	57°07.74'N 135°22.98'W	56°16.77'N 134°16.61'W	57°03.00'N 135°20.72'W	57°03.24'N 135°20.88'W	57°07.98'N 135°22.75'W	57°12.91'N 134°50.93'W	57°18.63'N 134°56.70'W	57°22.64'N 135°35.12'W	57°28.33'N 134°33.97'W	57°29.89'N 134°52.82'W	57°30.34'N 135°16.26'W	57°33.33'N 135°28.51'W
Maximum Vessel Size	Deep Draft Vessels- lengths to 1000 feet or greater, 20-40 feet of draft, greater than 10,000 GT				Light Draft Vessel - up to 450 feet in length, draft up to 20 feet										
Type of Berthing	Anchorage			Dock	Anchorage			Dock			Anchorage		Anchorage		
Contact	N/A		Harbormaster 907.747.3439	907.747.8559	N/A		Commanding Officer 907.966.5470	Harbormaster 907.747.3439	Ferry Office 907.747.8737	N/A		907.788.3653	N/A		
Navigational Approach	NE	S-SW	SW	SW	W	NW via marked channel-Approach has little maneuvering room		SW	E	E	W	S via marked channel	SE	NW-E	S-NE
Minimum Water Depths (MLLW)	41 fathoms	20 Fathoms	13 Fathoms	60/25 ft.	30 fathoms	42/22 ft.	37 ft.	30 ft.	33 fathoms	26 fathoms	33 fathoms	24 ft.	28 fathoms	27 fathoms	28 fathoms
Maximum Vessel Draft	40 ft.		Varies		No minimum depth	20 ft.	32 ft.	25 ft.	No minimum depth, limited by approach and swing room		20 ft.	No minimum depth, limited by approach and swing room			
Swing Room or Dock Face (w/ dolphins)	2000 ft.	3000 ft.	2400 ft.	300/250 ft.	2400 ft.	283/185 ft.	350 ft.	460 ft.	1000 ft.	1700 ft.	2600 ft.	200 ft.	1500 ft.	2700 ft.	2400 ft.
Bottom Type	Rocky	Gravel, Rocky, Hard	Mud	N/A	Rocky	N/A		Mud	Rocky	Mud	N/A	Hard	Hard	Hard	Mud, Sand, Hard
Nearest Alternative Dock/Piers	79 nm to D-05-04	97 nm to D-05-04	8 nm to D-05-04	Options limited for additional deep draft docks	13 nm to D-05-01	.25 nm to L-05-03	.25 nm to L-05-02	.5 nm to D-05-04	18.75nm to L-05-08	19 nm to L-05-08	25 nm to L-05-04	12.5 nm to L-05-09	12.5 to L-05-08	24 nm to L-05-08	32.5 nm to L-05-08
Nearest Alternative Anchorage	20 nm to D-05-02	20 nm to D-05-01	77 nm to D-05-01	8 nm to D-05-03	60 nm to L-05-04	4 nm to D-05-03	4 nm to D-05-03	9 nm to D-05-03	8.75 nm to L-05-06	8.75 nm to L-05-05	15 nm to L-05-11	54 nm L-04-03	17 nm to L-05-10	8.5 nm to L-05-11	8.5 nm to L-05-10
Prevailing Winds	Strongest winds are usually out of the N, E, and SE. May through September NW winds dominate. E and SE winds blow more than 50 percent of the time from October through February														
Currents	Minimum currents in anchorage			Minimal current at the dock	Currents under 1 knot	Currents under 1 knot in Sitka Harbor		Minimal current at the dock	Minimum currents in anchorage		The current is between 1.4 and 2.5 knots in Peril Strait, areas to 9 knots	Minimal current at the dock	Minimum currents in anchorage		
Tides	Mean High 10.5 ft. (Higher 11.4) Mean Low ---- (Lower -4.0)	Mean High 10.9 ft. (Higher 11.8) Mean Low 1.5 (Lower -4.0)	Mean High 9.2ft. (Higher 9.9) Mean Low 1.5 (Lower 0.0)	Mean High 14.7 ft. (Higher 15.6) Mean Low 1.6 (Lower -4.5)	Mean High 10.3 ft. (Higher 11.2) Mean Low 1.5 (Lower -4.0)	Mean High 9.2ft. (Higher 9.9) Mean Low 1.5 (Lower ----)		Mean High 15 ft. (Higher 15.8) Mean Low 1.4 (Lower -4.5)	Mean High 15.6 ft. (Higher 16.5) Mean Low 1.5 (Lower -4.5)	Mean High 12.4 ft. (Higher 13.6) Mean Low 1.6 (Lower -4.0)	Mean High 13.2 ft. (Higher 14.1) Mean Low 1.6 (Lower -5.5)	Mean High 13.4 ft. (Higher 14.7) Mean Low 1.6 (Lower -5.0)			
Sea Conditions	Exposed to swells from the NE	Exposed to swells from the S to E	Sheltered	Sheltered	Exposed to swells from the SW	Sheltered		Exposed to swells from SE	Sheltered		Exposed to swells from S-SE		Exposed to swells from NE, W, SW	Exposed to swells from NW	Exposed to swells from NW
Shelter from Severe Storms	Sheltered from SE-N storms	Sheltered from N-SE storms	Sheltered		Sheltered from NE-SE	Sheltered		Sheltered from S-N	Sheltered		Sheltered from E-W	Sheltered from E, N, S	Sheltered from N-W		
Fog	Frequent throughout the year. Chatham Strait area is often clear during foggy weather on the outer coast														

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Southeast Alaska Subarea Contingency Plan: http://www.dec.state.ak.us/spar/perp/plans/scp_se.htm